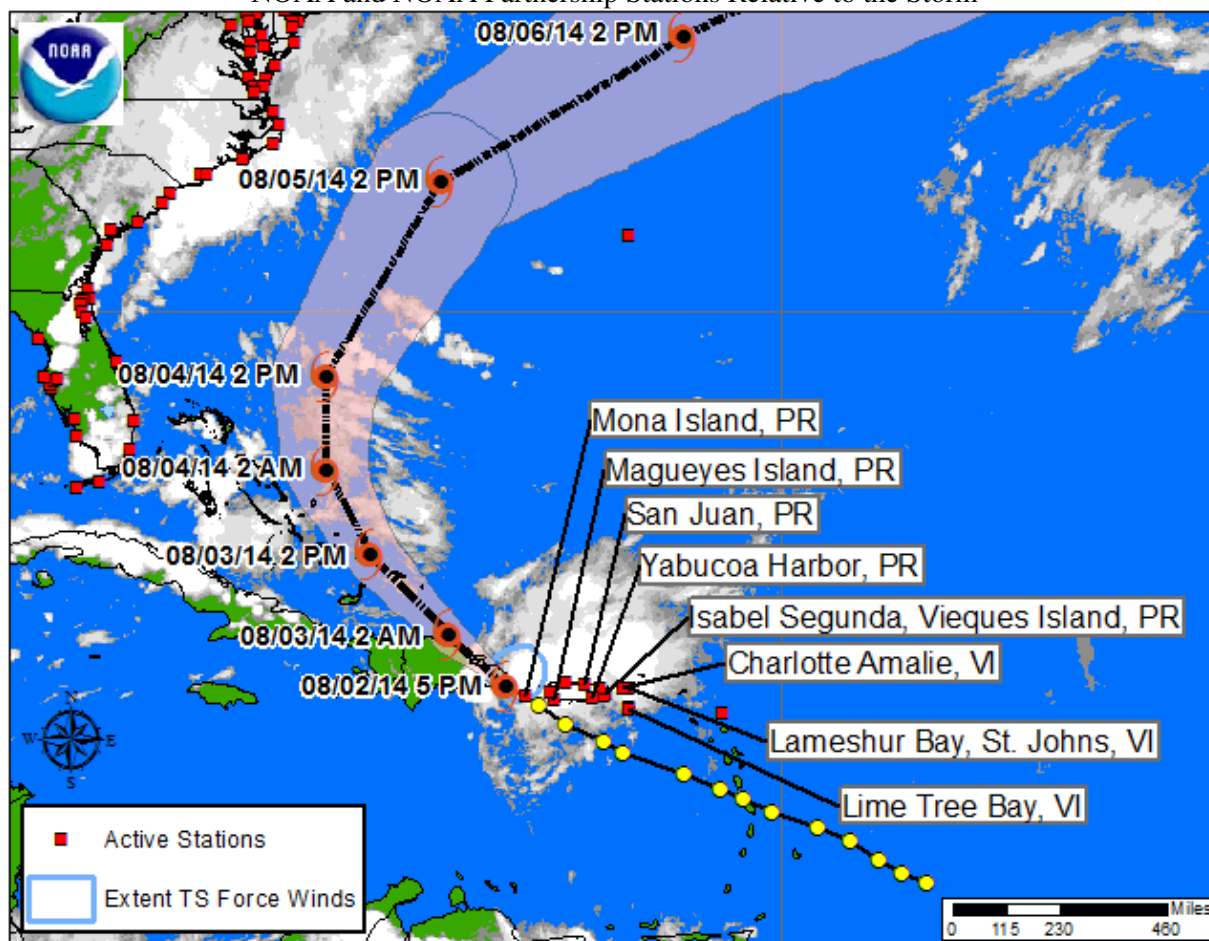




Tropical Storm BERTHA QuickLook
Posted: 18:00 AST 08/02/2014

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/02/2014 18:00 AST, water levels across the U.S. Virgin Islands and Puerto Rico continue to be slightly elevated. Levels across the western and southern coast of Puerto Rico and the U.S. Virgin Islands range from 0.3 to 0.7 feet above tidal predictions. Water levels along the northern coast of Puerto Rico are at or slightly above tidal predictions. Wind speeds are generally 20 knots or less, however a few isolated gusts over 30 knots have been observed at San Juan and Yabucoa Harbor, PR over the past 12 hours. Barometric pressure is falling slightly at Mona Island, PR but remains level over much of the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: PFF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

BULLETIN

TROPICAL STORM BERTHA ADVISORY NUMBER 8

NWS NATIONAL HURRICANE CENTER MIAMI FL AL032014

500 PM AST SAT AUG 02 2014

...CENTER OF POORLY ORGANIZED BERTHA MOVING INTO THE EASTERN DOMINICAN
REPUBLIC...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

THE TROPICAL STORM WARNING HAS BEEN DISCONTINUED FOR THE U. S. VIRGIN ISLANDS.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* PUERTO RICO

* VIEQUES

* CULEBRA

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED
SOMEWHERE WITHIN THE WARNING AREA...IN THIS CASE WITHIN THE NEXT 12 TO 24
HOURS.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE
WITHIN THE WATCH AREA...IN THIS CASE WITHIN 24 TO 36 HOURS.

INTERESTS ELSEWHERE ACROSS HISPANIOLA AND THE BAHAMAS SHOULD MONITOR THE
PROGRESS OF THIS SYSTEM.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING
POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY
YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION
SPECIFIC TO YOUR AREA OUTSIDE THE UNITED STATES...PLEASE MONITOR PRODUCTS
ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 500 PM AST...2100 UTC...THE CENTER OF TROPICAL STORM BERTHA WAS LOCATED NEAR LATITUDE 18.4 NORTH...LONGITUDE 68.5 WEST OR ABOUT 90 MI...150 KM E OF SANTO DOMINGO DOMINICAN REPUBLIC. BERTHA IS MOVING TOWARD THE WEST-NORTHWEST NEAR 22 MPH...35 KM/H. A TURN TOWARD THE NORTHWEST IS EXPECTED TONIGHT...WITH THIS MOTION CONTINUING THROUGH SUNDAY NIGHT. A TURN TOWARD THE NORTH IS EXPECTED ON MONDAY. ON THE FORECAST TRACK...THE CENTER OF BERTHA SHOULD MOVE OVER THE EASTERN PORTION OF THE DOMINICAN REPUBLIC TONIGHT...AND NEAR OR OVER THE SOUTHEASTERN BAHAMAS AND TURKS AND CAICOS ISLANDS ON SUNDAY.

MAXIMUM SUSTAINED WINDS HAVE DECREASED TO NEAR 45 MPH...75 KM/H... WITH HIGHER GUSTS. LITTLE CHANGE IN STRENGTH IS FORECAST THROUGH SUNDAY. SLOW STRENGTHENING IS POSSIBLE ON MONDAY.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 105 MILES...165 KM MAINLY TO THE NORTHEAST OF THE CENTER.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 1010 MB...29.83 INCHES.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS SHOULD SUBSIDE OVER PUERTO RICO DURING THE NEXT FEW HOURS. TROPICAL STORM CONDITIONS ARE EXPECTED OVER THE EASTERN DOMINICAN REPUBLIC THIS AFTERNOON AND TONIGHT...AND ARE EXPECTED IN THE SOUTHEASTERN BAHAMAS AND THE TURKS AND CAICOS ISLANDS BY EARLY SUNDAY. TROPICAL STORM CONDITIONS ARE POSSIBLE IN THE WATCH AREA IN THE CENTRAL BAHAMAS BY MONDAY.

RAINFALL...BERTHA IS EXPECTED TO PRODUCE RAINFALL AMOUNTS OF 1 TO 3 INCHES WITH ISOLATED AMOUNTS UP TO 5 INCHES ACROSS PORTIONS OF THE LEEWARD ISLANDS...THE U.S. AND BRITISH VIRGIN ISLANDS...EASTERN PORTIONS OF THE DOMINICAN REPUBLIC AS WELL AS THE TURKS AND CAICOS THROUGH SUNDAY NIGHT. RAINFALL TOTALS OF 3 TO 5 INCHES WITH ISOLATED MAXIMUM TOTALS OF 8 INCHES ARE POSSIBLE ACROSS PUERTO RICO...WITH THE HEAVIEST TOTALS ACROSS THE SOUTHERN AND EASTERN PORTIONS OF THE ISLAND.

NEXT ADVISORY

NEXT INTERMEDIATE ADVISORY...800 PM AST.

NEXT COMPLETE ADVISORY...1100 PM AST.

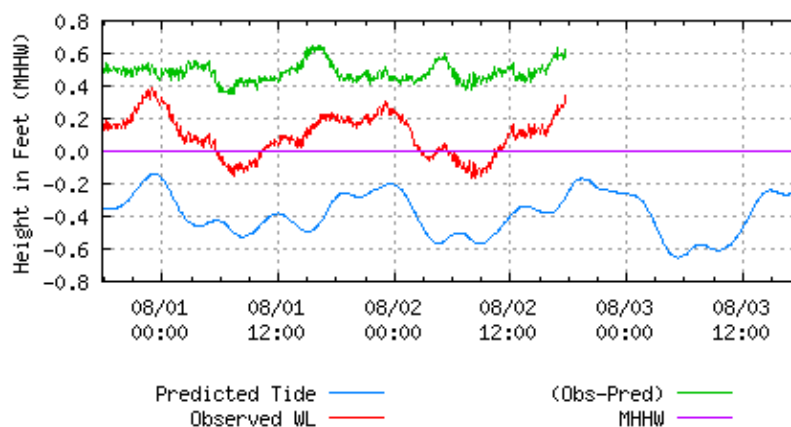
FORECASTER BEVEN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Mona Island - Water Level](#), [Mona Island - Barometric](#), [Magueyes Island - Water Level](#), [Magueyes Island - Winds](#), [San Juan - Water Level](#), [San Juan - Winds](#), [San Juan - Barometric](#), [Yabucoa Harbor - Water Level](#), [Yabucoa Harbor - Winds](#), [Isabel Segunda, Vieques Island - Water Level](#), [Isabel Segunda, Vieques Island - Winds](#), [Charlotte Amalie - Water Level](#), [Charlotte Amalie - Winds](#), [Charlotte Amalie - Barometric](#), [Lime Tree Bay - Water Level](#), [Lameshur Bay, St John - Water Level](#)

Tropical Storm BERTHA QuickLook, POSTED 18:00 AST 08/02/2014

NOAA/NOS/CO-OPS 9759938 Mona Island, PR
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



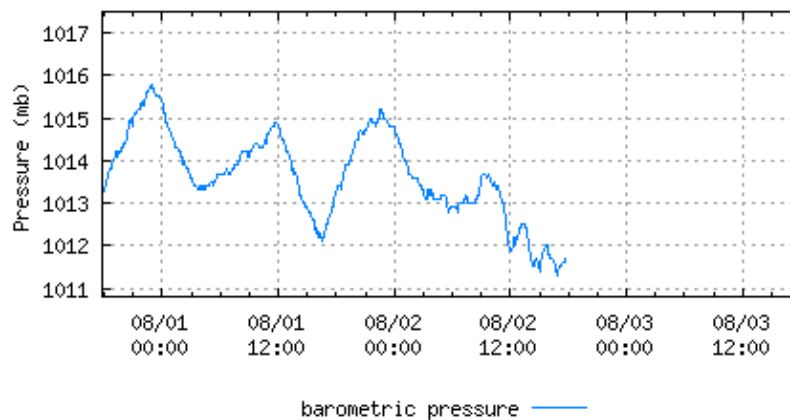
Last Observed Sample: 08/02/2014 17:42 (AST). Data relative to MHHW

Observed: 0.34 ft. Predicted: -0.28 ft. Residual: 0.62 ft.

Historical Maximum Water Level: Dec 23 2010, 1.26 ft.

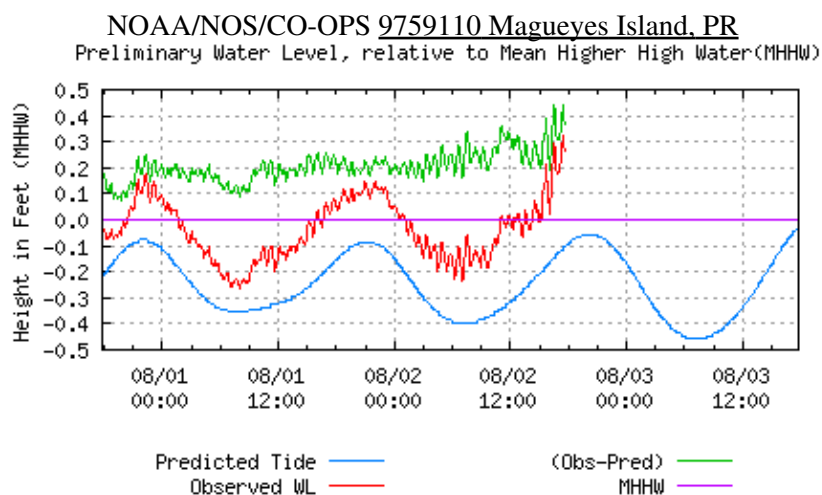
Next High Tide: 08/02/2014 19:24 (AST), -0.16 ft.

NOAA/NOS/CO-OPS 9759938 Mona Island, PR
Barometric Pressure



Last Observed Sample: 08/02/2014 17:42 (AST)

Barometric Pressure: 1011.7 mb

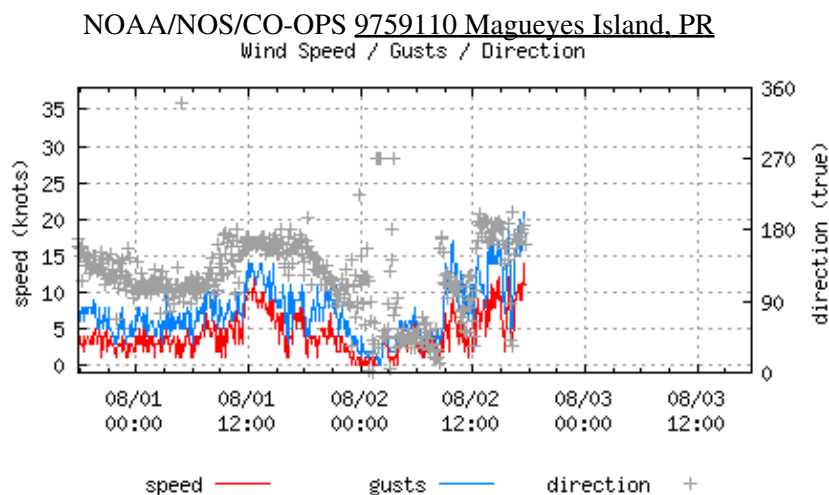


Last Observed Sample: 08/02/2014 17:42 (AST). Data relative to MHHW

Observed: 0.25 ft. Predicted: -0.11 ft. Residual: 0.36 ft.

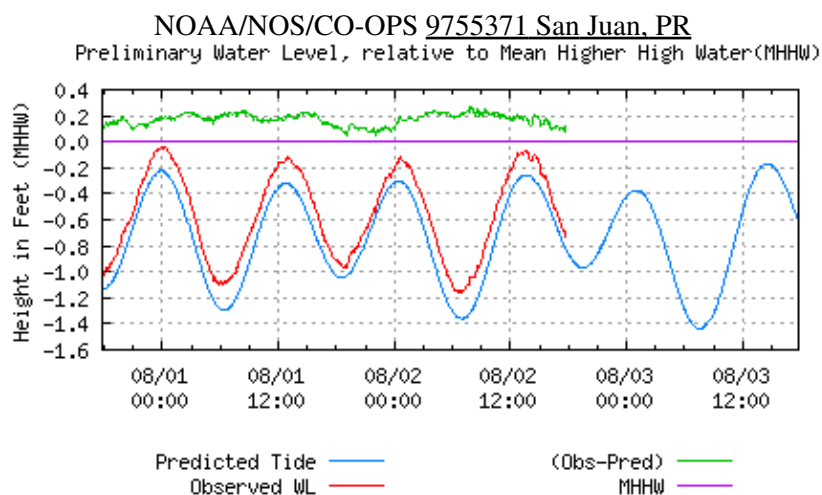
Historical Maximum Water Level: Sep 22 1998, 1.60 ft.

Next High Tide: 08/02/2014 20:13 (AST), -0.06 ft.



Last Observed Sample: 08/02/2014 17:42 (AST)

Wind Speed: 8 knots Gusts: 18 knots Direction: 170° T

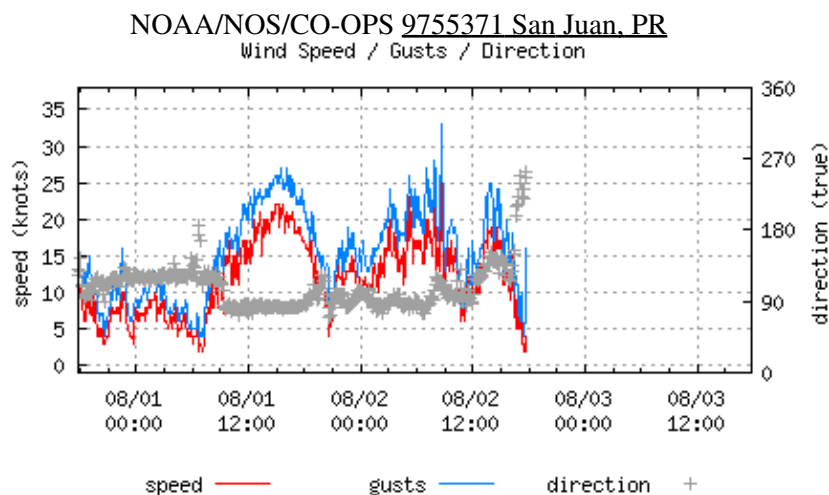


Last Observed Sample: 08/02/2014 17:42 (AST). Data relative to MHHW

Observed: -0.73 ft. Predicted: -0.81 ft. Residual: 0.08 ft.

Historical Maximum Water Level: Sep 18 1989, 2.77 ft.

Next High Tide: 08/03/2014 01:00 (AST), -0.37 ft.

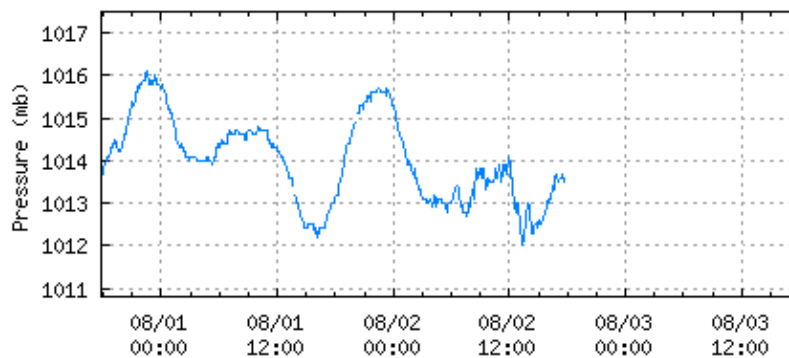


Last Observed Sample: 08/02/2014 17:42 (AST)

Wind Speed: 2 knots Gusts: 16 knots Direction: 247° T

NOAA/NOS/CO-OPS 9755371 San Juan, PR

Barometric Pressure



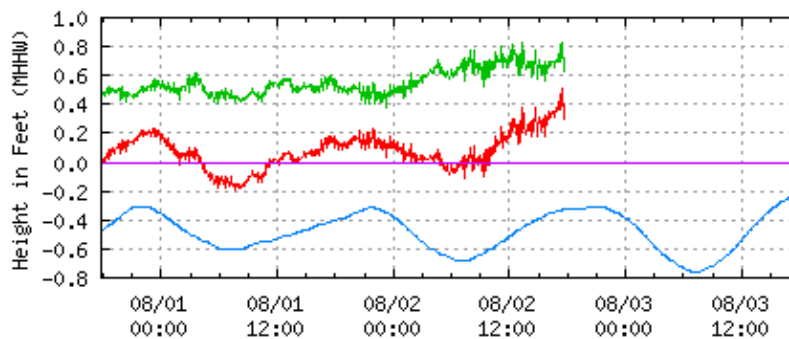
barometric pressure —

Last Observed Sample: 08/02/2014 17:42 (AST)

Barometric Pressure: 1013.6 mb

NOAA/NOS/CO-OPS 9754228 Yabucoa Harbor, PR

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —

Observed WL —

(Obs-Pred) —

MHHW —

Last Observed Sample: 08/02/2014 17:42 (AST). Data relative to MHHW

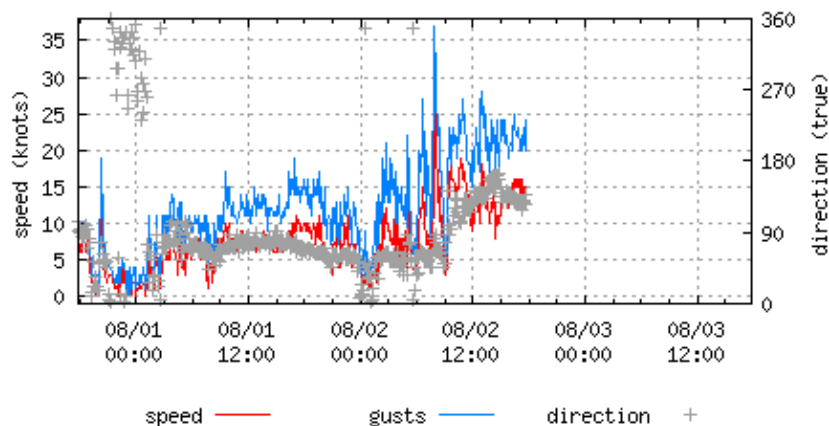
Observed: 0.37 ft. Predicted: -0.33 ft. Residual: 0.70 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/02/2014 21:08 (AST), -0.31 ft.

NOAA/NOS/CO-OPS 9754228 Yabucoa Harbor, PR

Wind Speed / Gusts / Direction

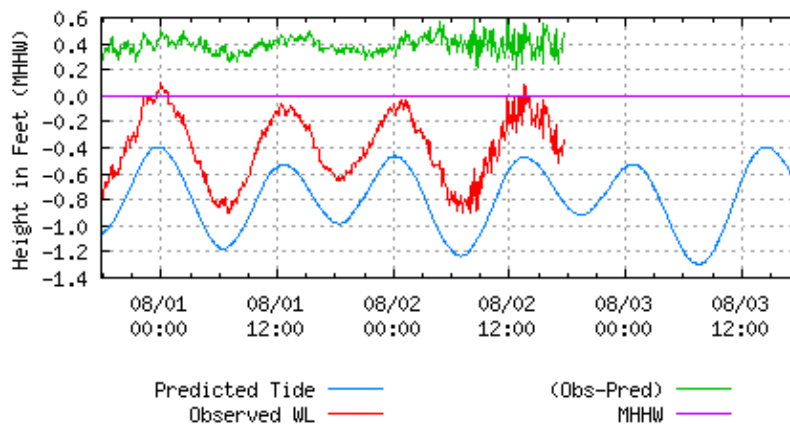


Last Observed Sample: 08/02/2014 17:42 (AST)

Wind Speed: 15 knots Gusts: 24 knots Direction: 137° T

NOAA/NOS/CO-OPS 9752619 Isabel Segunda, Vieques Island, PR

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/02/2014 17:42 (AST). Data relative to MHHW

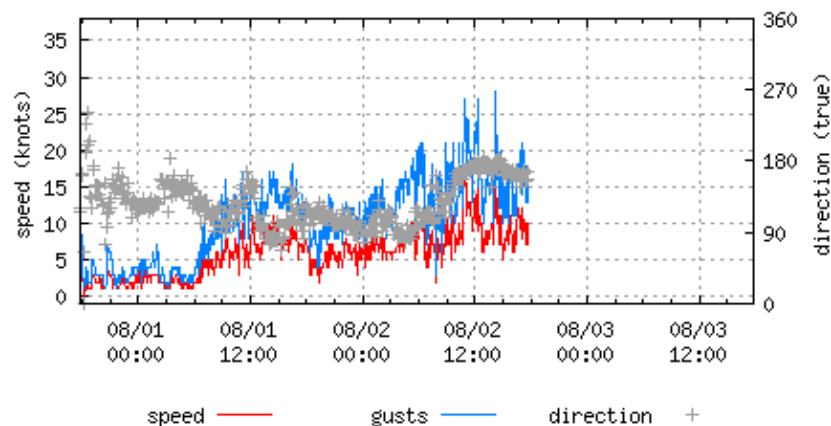
Observed: -0.38 ft. Predicted: -0.83 ft. Residual: 0.45 ft.

Historical Maximum Water Level: n/a

Next High Tide: 08/03/2014 00:44 (AST), -0.52 ft.

NOAA/NOS/CO-OPS 9752619 Isabel Segunda, Vieques Island, PR

Wind Speed / Gusts / Direction

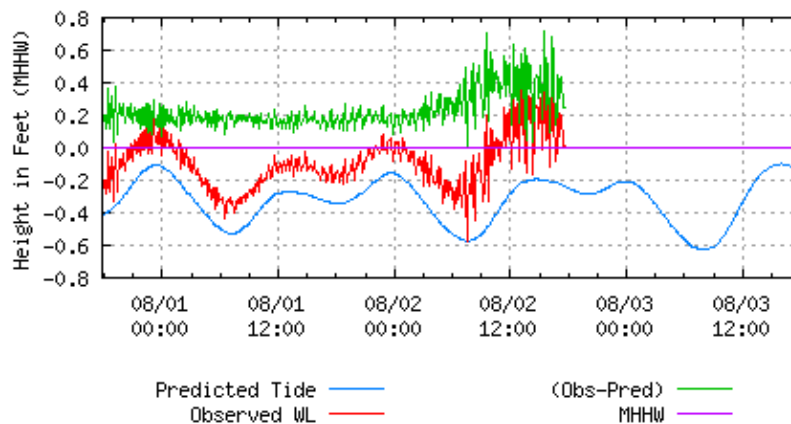


Last Observed Sample: 08/02/2014 17:42 (AST)

Wind Speed: 7 knots Gusts: 13 knots Direction: 166° T

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/02/2014 17:42 (AST). Data relative to MHHW

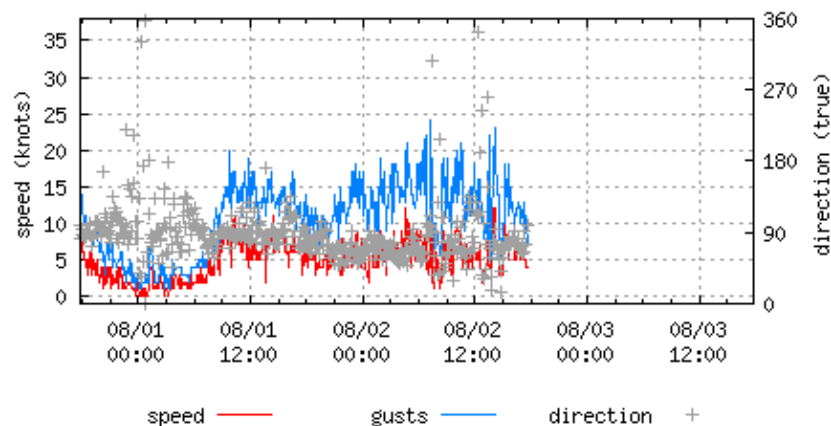
Observed: 0.06 ft. Predicted: -0.24 ft. Residual: 0.30 ft.

Historical Maximum Water Level: Sep 16 1995, 2.93 ft.

Next High Tide: 08/02/2014 23:54 (AST), -0.21 ft.

NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI

Wind Speed / Gusts / Direction

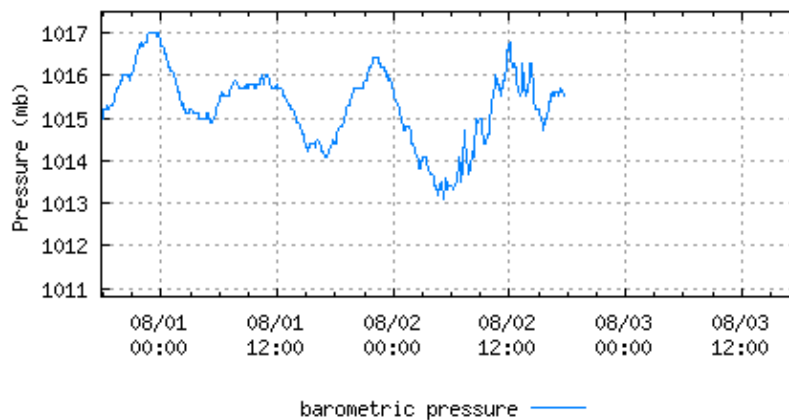


Last Observed Sample: 08/02/2014 17:42 (AST)

Wind Speed: 5 knots Gusts: 8 knots Direction: 83° T

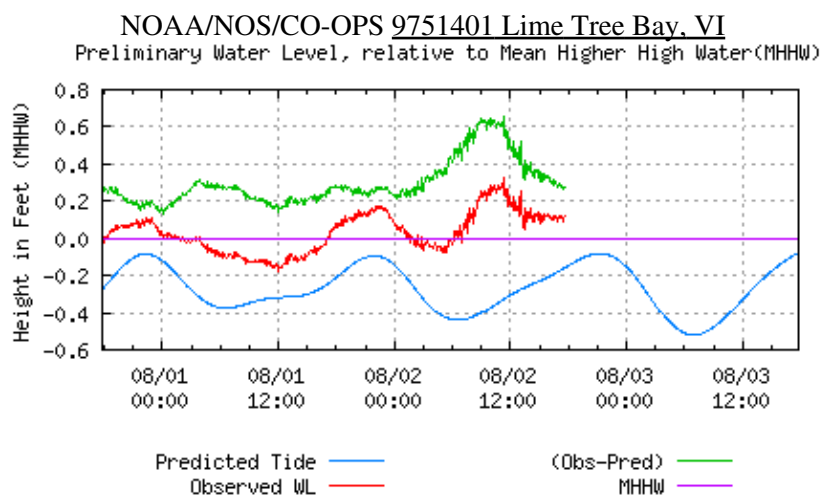
NOAA/NOS/CO-OPS 9751639 Charlotte Amalie, VI

Barometric Pressure



Last Observed Sample: 08/02/2014 17:42 (AST)

Barometric Pressure: 1015.4 mb

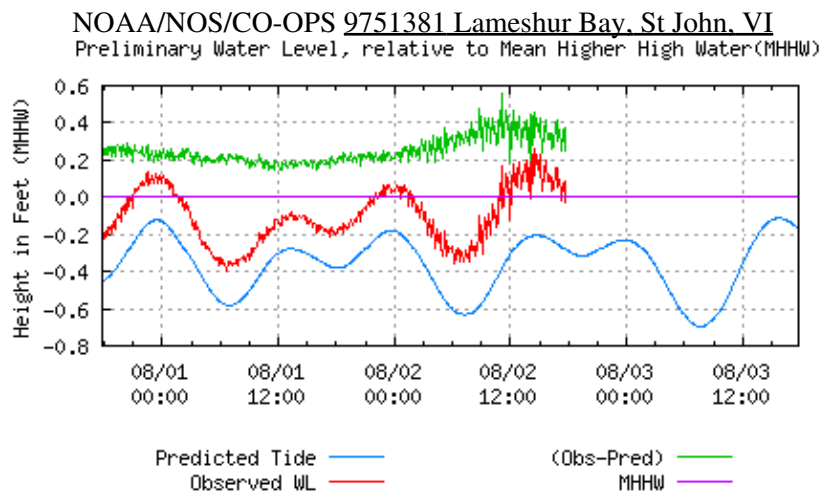


Last Observed Sample: 08/02/2014 17:42 (AST). Data relative to MHHW

Observed: 0.13 ft. Predicted: -0.16 ft. Residual: 0.29 ft.

Historical Maximum Water Level: Nov 17 1999, 1.88 ft.

Next High Tide: 08/02/2014 21:17 (AST), -0.08 ft.



Last Observed Sample: 08/02/2014 17:42 (AST). Data relative to MHHW

Observed: -0.03 ft. Predicted: -0.28 ft. Residual: 0.25 ft.

Historical Maximum Water Level: Aug 30 2010, 0.89 ft.

Next High Tide: 08/02/2014 23:47 (AST), -0.23 ft.

Tropical Storm BERTHA QuickLook, POSTED 18:00 AST 08/02/2014

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
9759938	Mona Island, PR	08/02/2014 17:42 (AST)	0.34 ft	-0.28 ft	0.62 ft	0.34 ft
9759110	Magueyes Island, PR	08/02/2014 17:42 (AST)	0.25 ft	-0.11 ft	0.36 ft	0.32 ft
9755371	San Juan, PR	08/02/2014 17:42 (AST)	-0.73 ft	-0.81 ft	0.08 ft	-0.06 ft
9754228	Yabucoa Harbor, PR	08/02/2014 17:42 (AST)	0.37 ft	-0.33 ft	0.70 ft	0.50 ft
9752619	Isabel Segunda, Vieques Island, PR	08/02/2014 17:42 (AST)	-0.38 ft	-0.83 ft	0.45 ft	0.08 ft
9751639	Charlotte Amalie, VI	08/02/2014 17:42 (AST)	0.06 ft	-0.24 ft	0.30 ft	0.52 ft
9751401	Lime Tree Bay, VI	08/02/2014 17:42 (AST)	0.13 ft	-0.16 ft	0.29 ft	0.33 ft
9751381	Lameshur Bay, St John, VI	08/02/2014 17:42 (AST)	-0.03 ft	-0.28 ft	0.25 ft	0.26 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce